PRESSURIZED FLUID CONTROLLER USING TILT / PUSH / PULL OPERATOR

Abstract: An intuitive pressurized fluid controller using tilt / push / pull operator includes a swivel joint "(**33**)" having a through hole "(**14**)". A lever "(**15**)" passes through the hole "(**14**)" such that it can move axially as well as tiltably. A first array of valves "(**18a, 18b, 18c, 18d**)" are arranged radially to the lever "(**15**)" axis so they can be activated either individually or in close pairs as the lever "(**15**)" is tilted. An actuator "(**17**)" is attached perpendicularly to and further along the lever "(**15**)". A second array of valves "(**23a, 23b, 23c, 23d**)" are arranged circularly to and parallel to the lever "(**15**)" and close to the actuator "(**17**)" so they can be activated when the lever "(**15**)" is pulled in it's axial direction. A third array of valves "(**20a, 20b, 20c, 20d**)" are arranged circularly to and in opposite parallel alignment to the lever "(**15**)" and close to the actuator "(**17**)" so they can be activated when the lever "(**15**)" is pushed in it's axial direction. Wherein, when plumbed to a plurality of pressurable positioners "(**27a, 27b, 27c, 27d**)" supporting a heavy equipment "(**24**)", the first radial array of valves "(**18a, 18b, 18c, 18d**)" can control the equipment "(**24**)" pitch and roll as the lever "(**15**)" is tilted, and the second and third arrays of axial valves "(**23a, 23b, 23c, 23d** and **20a, 20b, 20c, 20d**)" can control the equipment "(**24**)" elevation as the lever "(**15**)" is pulled and pushed.